



# CRANES, DERRICKS OR MATERIAL HANDLING DEVICES WORKSHEET

Waterfront Operations

Rental ☐ Yes ☐ No If yes, rental companies name

Name of owner	Previous App. State Cert. #	Expiration date	Wt. test exp. date
Address		City	State ZIP+4

Descriptions: <input type="checkbox"/> Derrick <input type="checkbox"/> Crane <input type="checkbox"/> Other (describe)	Remains at work site <input type="checkbox"/> Yes <input type="checkbox"/> No, if No, explain	Owner ID#
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Manufacturer	Model number	Serial number
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Exact location	If crane or derrick, state type: Rail, Steam, Etc.
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Powered by: <input type="checkbox"/> Supplied electric <input type="checkbox"/> Steam <input type="checkbox"/> Diesel <input type="checkbox"/> Diesel electric <input type="checkbox"/> Other	Service status at time of tests (describe) <input type="checkbox"/> Magnet <input type="checkbox"/> Container spreader <input type="checkbox"/> Lifting <input type="checkbox"/> Clamshell <input type="checkbox"/> Other
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Boom length at time of test	Type of boom construction
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Main hoist:	Whip:	Jib:					Attach manufacturer's certificate of wire rope: <input type="checkbox"/> Yes <input type="checkbox"/> No  Certificate available <input type="checkbox"/> Yes <input type="checkbox"/> No
Wire Rope	No. Parts	Diameter	No. strands	Wires per strand	Type core	Break strength	
Main Hoist							
Whip							
Trolley							
Boom							
Boom Pendants							

The following items must be inspected where applicable: if not applicable, so indicate:

a) Durable rating chart visible to operator	Accept	Reject	N/A	m) Air system	Accept	Reject	N/A
b) Boom angle indicator				n) Electrical system			
c) Radius indicator				o) Blocks and sheaves			
d) Operator controls marked or explanation of controls in operator's view				p) All deadening of cables			
e) Main hoist wire limit control				q) All hook safety latches & straps			
f) Whip hoists wire limit control				r) All brakes			
g) Travel alarm				s) Boom light fixture safety lines			
h) Gantry, trolley limits				t) Intercom system dock to cab			
i) All pins and shafts				u) Cable clamps, proper size, type spacing			
j) Counterweight				v) All clutches, dogs, gauges			
k) Hydraulic system				w) Weight indicator in proper working order			
l) Crane Structure				x) Anti-Collision Device			
				y) Overload prevention system			

4. TEST REQUIRED: Proof load test for cranes shall be based on manufacture's load rating to be applied at 10% excess at maximum and minimum radius and at any intermediate radii deemed necessary at time of certification. A derrick shall be proof load tested in excess of safe working load: to 20T - proof load 25% excess: to 50 T - proof load 5 T excess: over 50 T - 10% excess. Bridge type cranes - 25% in excess of manufacturer's ratings.

Radius in feet	Test Load Tons	Los.	Attachment Weight	Rated Capacity Tons	Los.	Percentage of load test	Main /Whip

Means of application of proof load

Basis for assigned load rating - designate owner or manufacturer

Remarks

I hereby certify the above tests and/or examinations have been conducted in accordance with the following:  
☐ Washington state safety standards for longshore, stevedore and related waterfront operation, WAC 296 - Chapter 56  
☐ Safety standards for ship repairing, shipbuilding and ship breaking, WAC 296 - Chapter 304

Date	Address	City	ZIP+4	Signature of certified inspector
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